

INTERNATIONAL SEARCH REPORT

International application No.

PCT/KR2004/002418

A. CLASSIFICATION OF SUBJECT MATTER**IPC7 A61K 31/352**

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7 A61K 31/352

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
Korean patents and applications for inventions since 1975

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

STN[Caplus, (xanthotoxol or 8-hydroxybergapten or prangenidin) and (collagen or wound healing or wrinkle)]
Pubmed**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	JP P2001-131050 A (KANEBO COSMETICS INC.) 15 May 2001 See the whole document.	2 - 5
X	WO 03/072120 A1 (YANG, LIPING) 4 September 2003 See abstract and p 4.	7
A	NG et al., 'Antioxidative activity of natural products from plants', Life Sciences, 2000, Vol.66, No.8, pp.709-723 See the whole document.	1 - 7
A	ELZAHAB et al., 'Photooxygenation of some potentially skin-photosensitizing hydroxyfurocoumarins. Part2 : Xanthotoxol and bergapten', Pharmazie, 1993, Vol.48, pp.144-145 See the whole document.	1 - 7
A	US 5360816 A (JEAN-JACQUES GOUPIL) 1 November 1994 See the whole document.	1 - 7

☐ Further documents are listed in the continuation of Box C.☒ See patent family annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search

03 DECEMBER 2004 (03.12.2004)

Date of mailing of the international search report

04 DECEMBER 2004 (04.12.2004)

Name and mailing address of the ISA/KR

Korean Intellectual Property Office
920 Dunsan-dong, Seo-gu, Daejeon 302-701,
Republic of Korea

Facsimile No. 82-42-472-7140

Authorized officer

LEE, Mi Jeong

Telephone No. 82-42-481-5601



INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/KR2004/002418

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
JP P2001-131050 A	15.05.2001	None	
WO 03/072120 A1	04.09.2003	CN 1374309 A	16.10.2002
		CA 2477019 AA	04.09.2003
		KR 2004-0083461 A	01.10.2004
US 5360816 A	01.11.1994	US 5405868 A	11.04.1995
		JP 61246185 A2	01.11.1986
		GB 1573370 A	20.08.1980
		EP 0001733 A1	02.05.1979
		DE 2734823 A1	16.02.1978
		CA 1097224 A1	10.03.1981
		AU 0519004 B2	05.11.1981